

P2	SIGNAL	DIRECTION	LOCATION
PIN 201	GND	←	B8
202	GND	←	B8
203	+12V	→	NU
204	+12V	→	
205	+12V	→	
206	+12V	→	
207	-12V	→	
208	-12V	→	NU
209	DPIN	←	C60
210	DPOT	←	C57
211	TTLF	→	NU
212	+5V	→	NU
213	+5V	→	B8
214	+5V	→	B8
215	MST	→	D57
216	NU	→	NU
217	MACK	→	C60
218	RD	→	D57
219	SPA	→	NU
220	SLB	→	NU
221	PEB	→	D62
222	MDIS	→	NU
223	AB08	→	C33
224	AB09	→	C33
225	AB10	→	D33
226	AB11	→	D33
227	GND	→	A8
228	GND	→	A8
229	AB12	→	D33
230	AB13	→	D33
231	AB14	→	D33
232	AB15	→	NU
233	AL	→	NU
234	BM	→	NU
235	STOP	→	B57
236	SACK	→	D62
237	MBIN	→	B58
238	MBDT	→	B57
239	DB00	→	A20
240	DB01	→	A20
241	DB02	→	A20
242	DB03	→	A20
PIN 243	+5V	→	B8

P2	SIGNAL	DIRECTION	LOCATION
PIN 244	+5V	→	B8
245	DB04	→	A20
246	DB05	→	
247	DB06	→	
248	DB07	→	
249	DB08	→	
250	DB09	→	
251	DB10	→	
252	DB11	→	
253	DB12	→	A20
254	DB13	→	B20
255	DB14	→	B20
256	DB15	→	B20
257	EXEC	→	B64
258	IN	→	NU
259	GND	→	A8
260	GND	→	A8
261	IDCL	→	A64
262	OUT	→	B64
263	CLR	→	NU
264	SEE	→	B57
265	IUE	→	A62
266	ILI	→	NU
267	IAR	→	B62
268	IL2	→	NU
269	EST	→	B64
270	IUA	→	NU
271	PLSE	→	C64
272	ECHO	→	NU
273	+5V	→	B8
274	+5V	→	B8
275	AB03	→	C33
276	AB04	→	
277	AB05	→	
278	AB06	→	
279	AB07	→	
280	AB08	→	
281	AB09	→	
282	AB10	→	C33
283	PRIN	→	A64
284	PRDT	→	A62
285	GND	→	A8
PIN 286	GND	→	A8

J6	SIGNAL	DIRECTION	LOCATION
PIN 1	HD LOAD RTN	→	C37
2	HEAD LAD	→	C37
3	DIRECT RTN	→	D37
4	DIRECT RTN	→	D37
5	LAUNCH RTN	→	D37
6	LAUNCH RTN	→	D37
7	STEP RTN	→	D37
8	STEP	→	D37
9	UO RTN	→	B37
10	UO	→	B37
11	U2 RTN	→	C37
12	U2	→	C37
13	U3 RTN	→	C37
14	U3	→	C37
15	U1 RTN	→	B37
16	U1	→	C37
17	NU	→	
18	NU	→	
19	NU	→	
20	NU	→	
21	READ DATA	→	B56
22	READ DATA	→	B56
23	NR REQ RTN	→	A56
24	WRITE REQ	→	A56
25	TRACK DIR	→	B56
26	TRACK 0	→	B56
27	INDEX RTN	→	C56
28	INDEX	→	C56
29	FILE INP RTN	→	C56
30	FILE INP	→	C56
31	READY RTN	→	D56
32	READY	→	D56
33	NU	→	
34	NU	→	
35	WR ENL RTN	→	B37
36	WRITE ENBL	→	B37
37	WR DATA RTN	→	B37
38	WRITE DATA	→	B37
39	NU	→	
PIN 40	NU	→	

J2	SIGNAL	DIRECTION	LOCATION
PIN 1	DB13	→	D19
2	DB13	→	C57
3	DB13	→	D19
4	RB00	→	B16
5	DB12	→	D19
6	DB13	→	D19
7	DB12	→	D19
PIN 8	RB00	→	B16

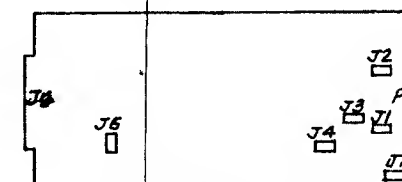
J2	SIGNAL	DIRECTION	LOCATION
PIN 1	SB12	→	D17
2	SB13	→	D17
3	SB14	→	D17
4	SB15	→	D17
5	DB10	→	D21
6	DB11	→	D21
7	DB07	→	C20
PIN 8	RCLK	→	B63

J4	SIGNAL	DIRECTION	LOCATION
PIN 1	DBLRST	→	B24
2			
3	RB05	→	B16
4	RB04	→	B16
5	RB02	→	B16
6	RB07	→	B16
7	CLR7	→	B23
PIN 8	DB07	→	B14

J5	SIGNAL	DIRECTION	LOCATION
PIN 1	F4	→	B52
2	F4	→	C50
3	OSC1	→	A49
4	ROMEN	→	A47
5	F1	→	C52
6	READ DATA	→	B54
PIN 7	RG	→	B39

J1	SIGNAL	DIRECTION	LOCATION
PIN 1	N/C		
2	EN58D	→	C21
3	DB104	→	C23
4	DB12	→	C21
5	RB03	→	B16
6	DB03	→	C21
7	N/C		
PIN 8	DB06	→	C20

J7	SIGNAL	DIRECTION	LOCATION
PIN-1	DPIN	→	C60
2			
3			
4	GND	→	A8
5	MBIN	→	B57
6	PRIN	→	A63
7	GND	→	A8
8			
9			
10			
11			
12			
13	GND	→	A8
14			
15			
PIN 16			



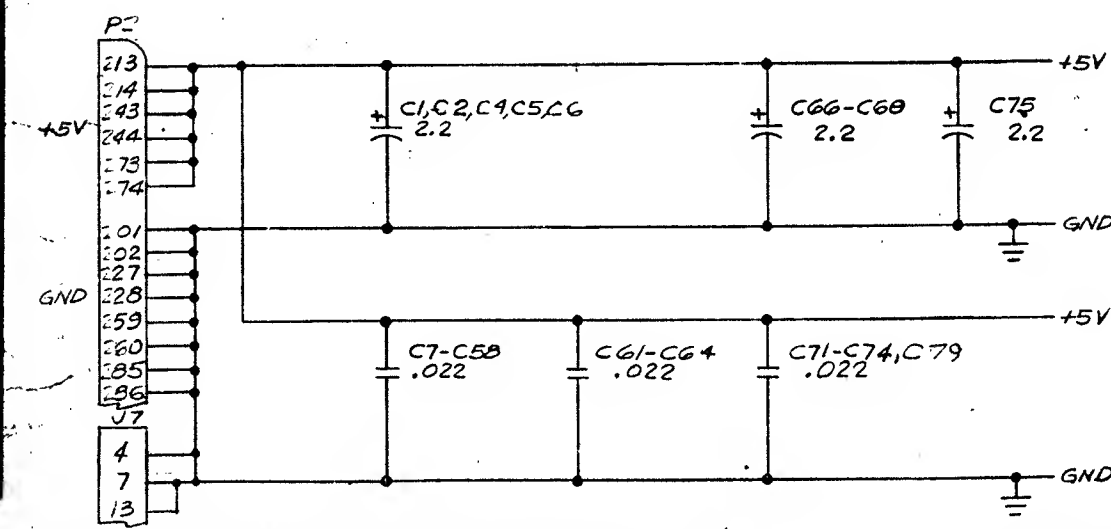
COMPONENT SIDE

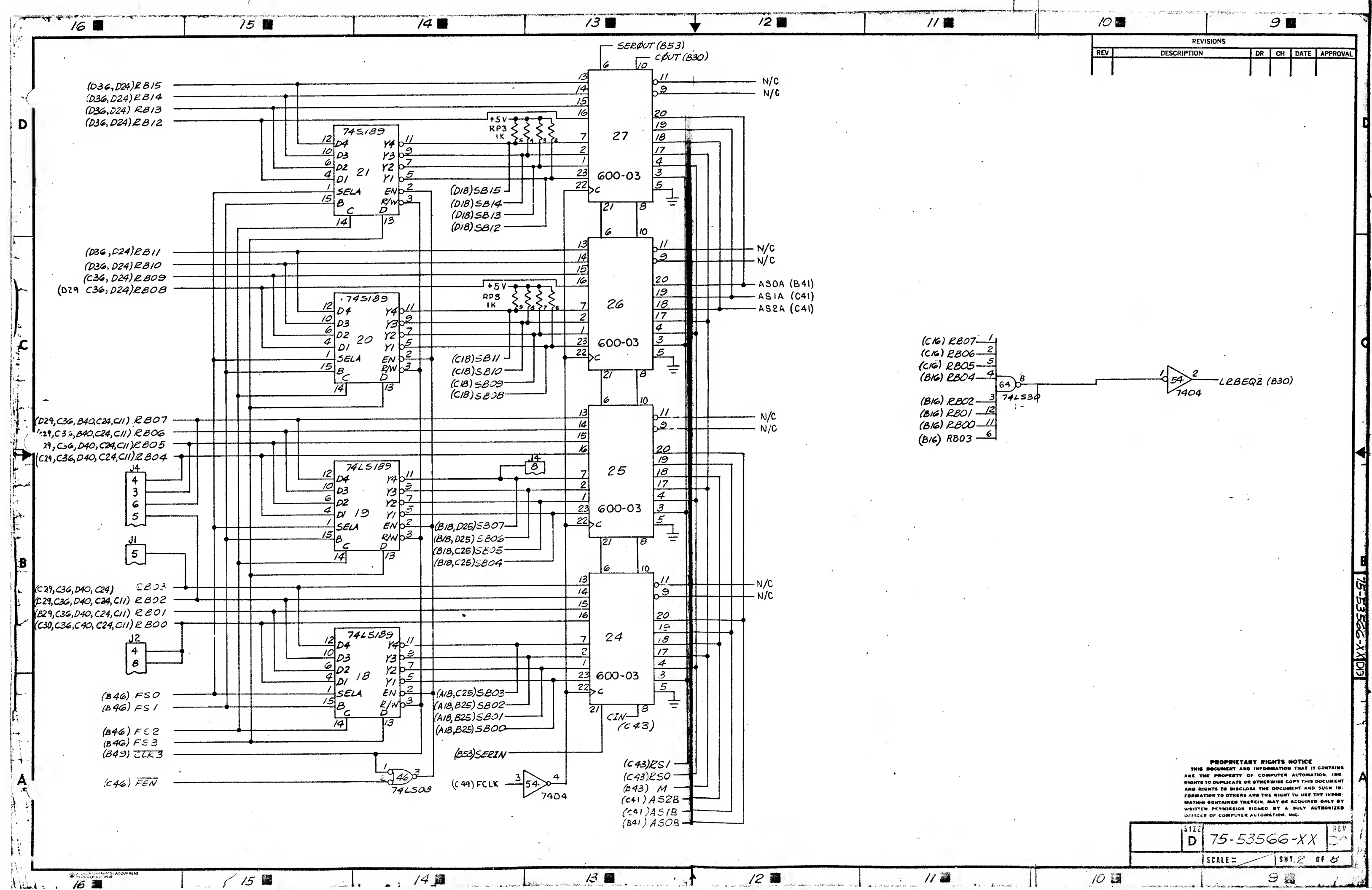
UNUSED GATES I/C			
IC DESIG.	IC TYPE	UNUSED PINS	
		IN	OUT
5A	SPARE		
38	SPARE		
10B	SPARE		
23	SPARE		
2	74LS00	1, 2	3
		9, 10	8
		12, 13	11
29	74LS00	4, 5	6
		9, 10	8
		12, 13	11
48	74LS00	1, 2	3
51	74LS00	9, 10	8
		12, 13	11
37	74LS08	4, 5	6

TABULATION BLOCK	
DASH NO.	DESCRIPTION
-01	BASIC

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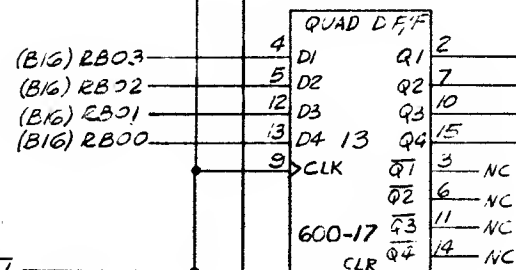
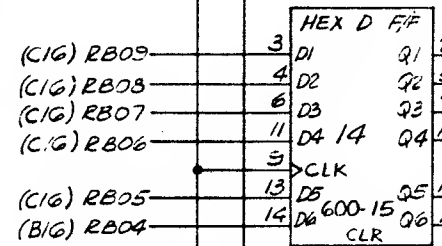
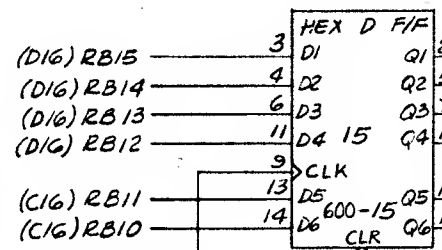
NOTES UNLESS SPECIFIED	DR. J. AMALIN	1-5-72	COMPUTER AUTOMATION INC.
1. TOLERANCES XX ±.03 ANGULAR XXX ±.010	DR. J. AMALIN	1-5-72	1851 VON KARMAN, IRVINE, CALIF. 92614
2. BREAK ALL SHARP EDGES .010 APPROX.	DR. J. AMALIN	1-5-72	TITLE
3. ALL DIM. IN INCHES	DR. J. AMALIN	1-5-72	LOGIC DIAGRAM, FLOPPY DISK CONTROLLER
DATE	TEST APPROVED		SIZE
1-5-72	1-5-72		DRG. NO.
			D 75-53566-XX
DO NOT SCALE	SCALE = NONE	SHT. 1 OF 3	





REVISIONS				
REV	DESCRIPTION	DR	CH	DATE

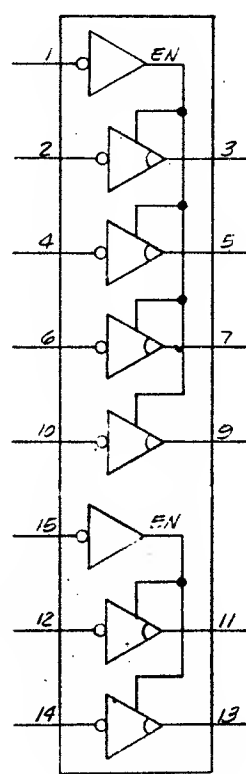
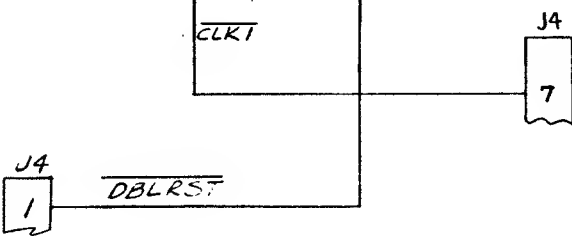
D



C

B

A



DATA BUS DRIVERS & RECEIVERS

- 156 DB15
- 155 DB14
- 154 DB13
- 153 DB12
- 152 DB11
- 151 DB10
- 150 DB09
- 149 DB08
- 148 DB07
- 147 DB06
- 146 DB05
- 145 DB04
- 144 DB03
- 143 DB02
- 142 DB01
- 141 DB00

(B63) RCLK  
(C46) ENDBR

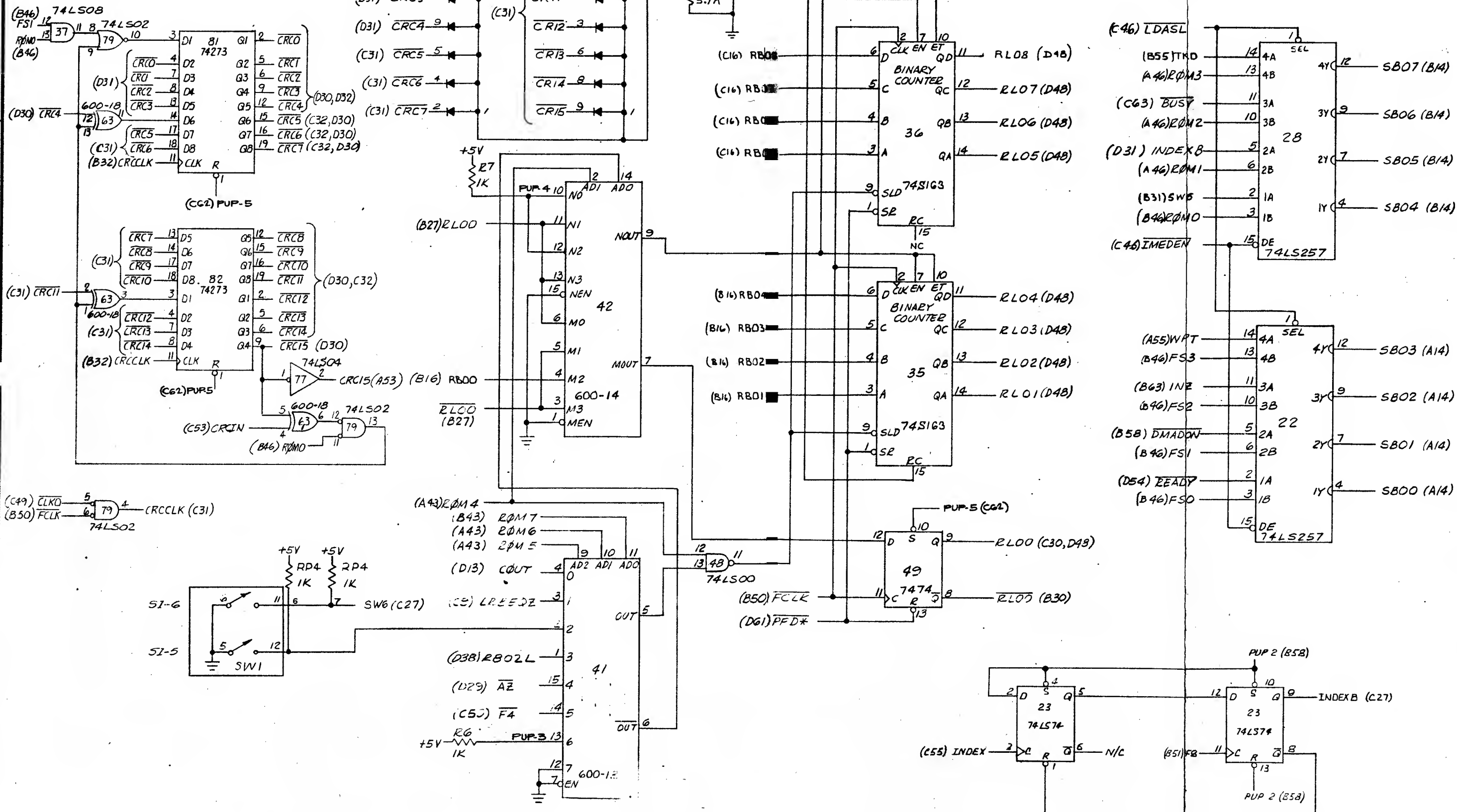
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SIZE	D	75-53566-XX	REV	
SCALE			SHT. 3 OF 8	

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REVISIONS				
REV	DESCRIPTION	DR	CH	DATE



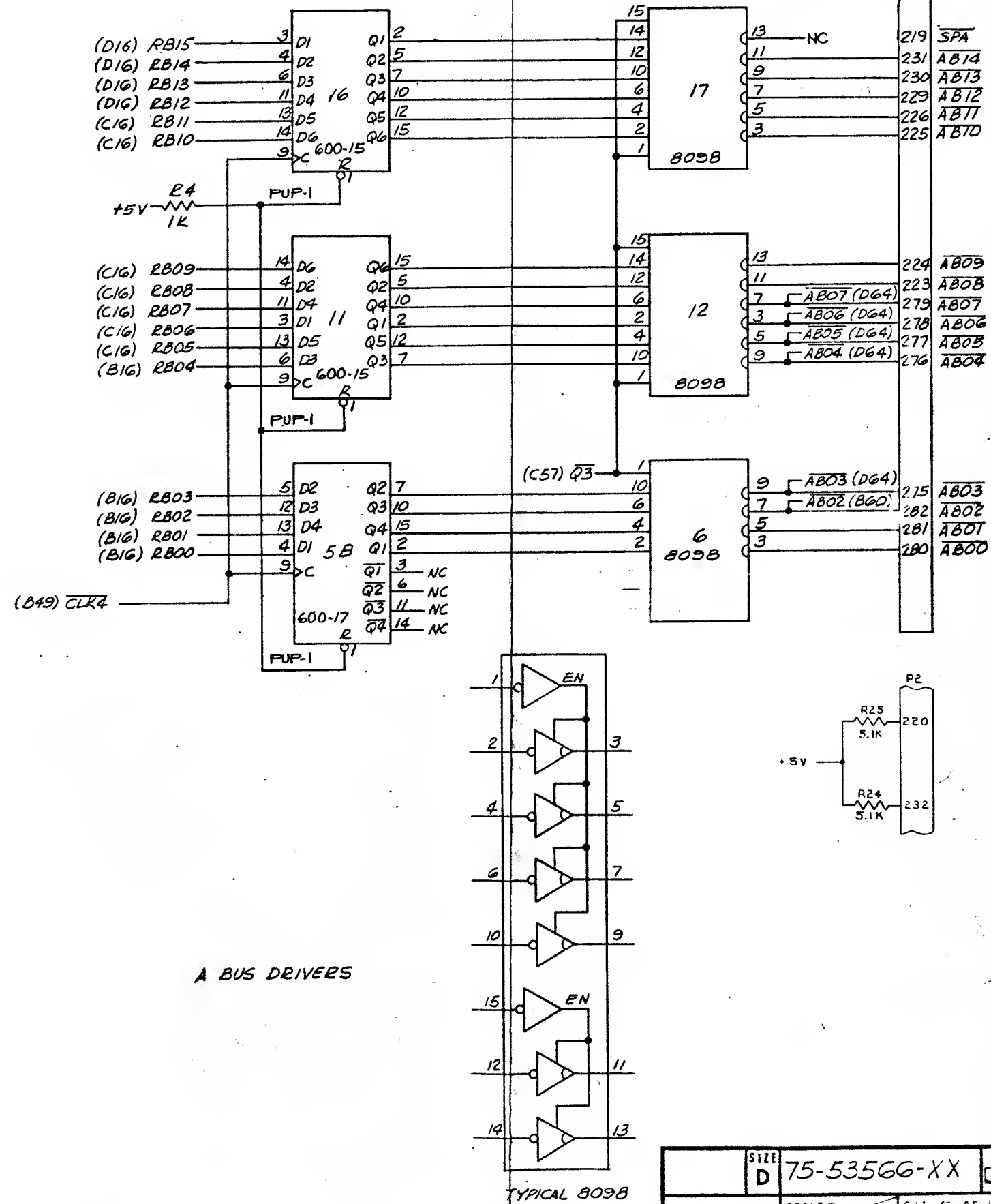
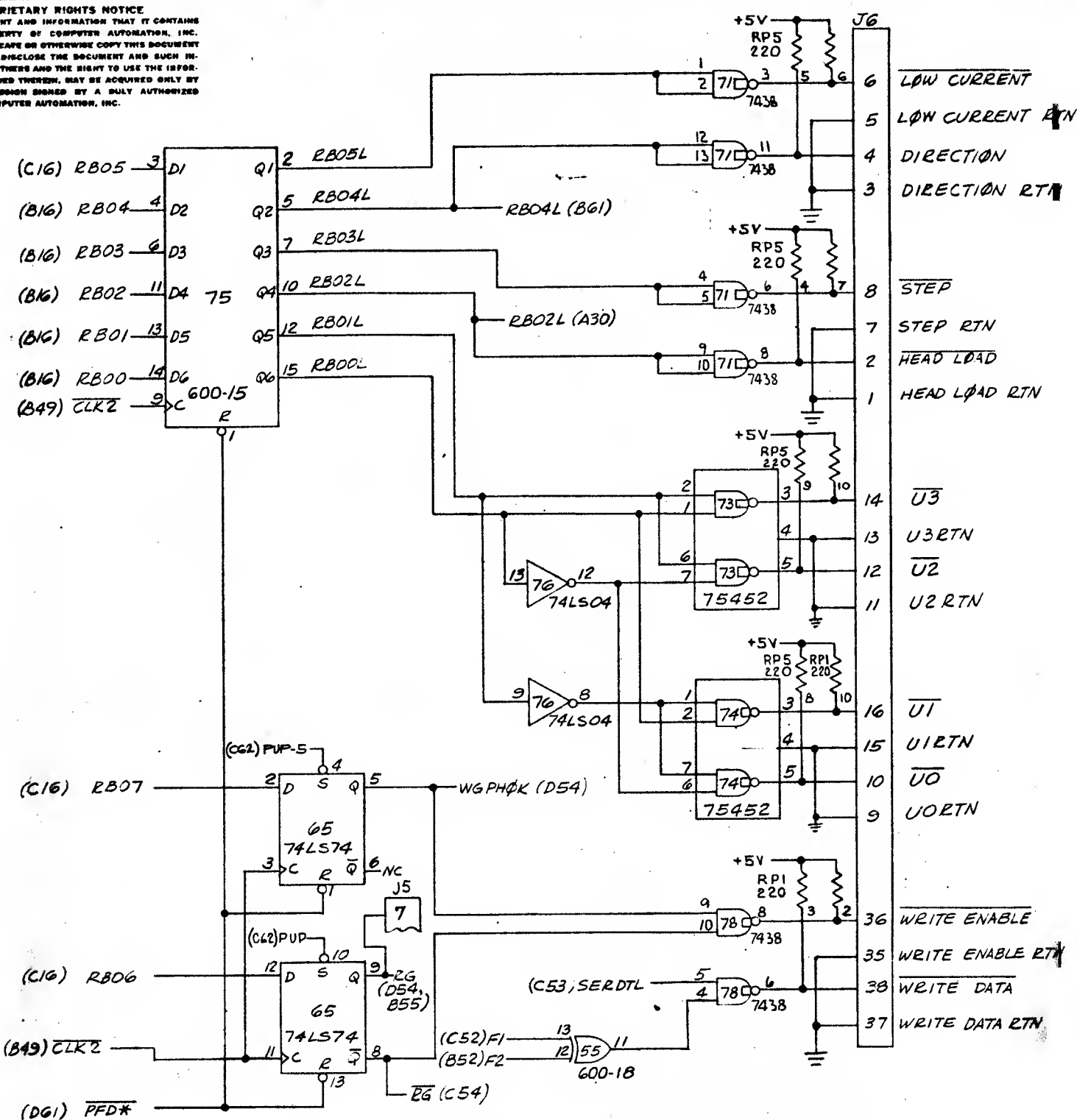
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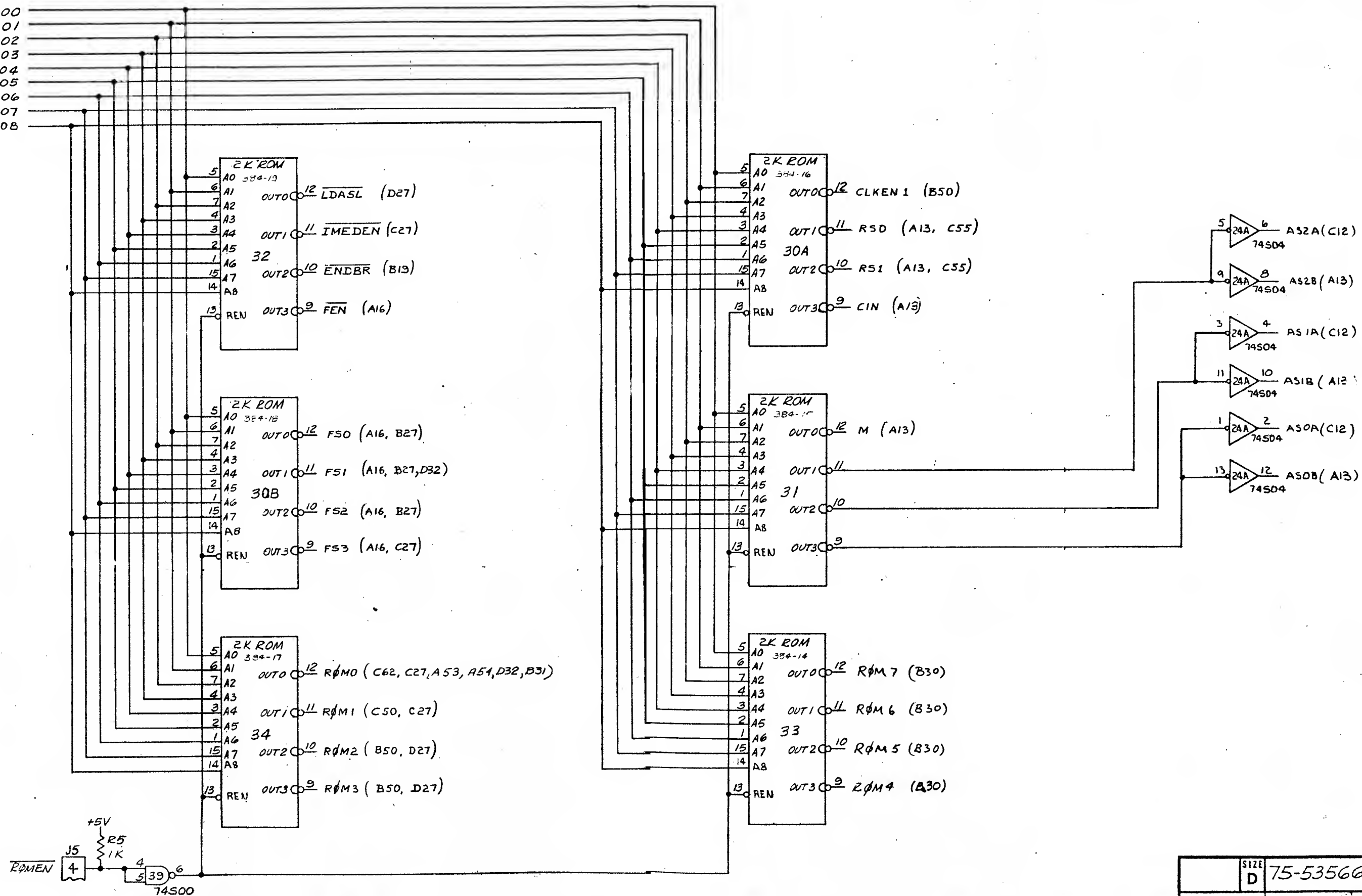
REVISIONS					
REV	DESCRIPTION	DR	CH	DATE	APPROVAL



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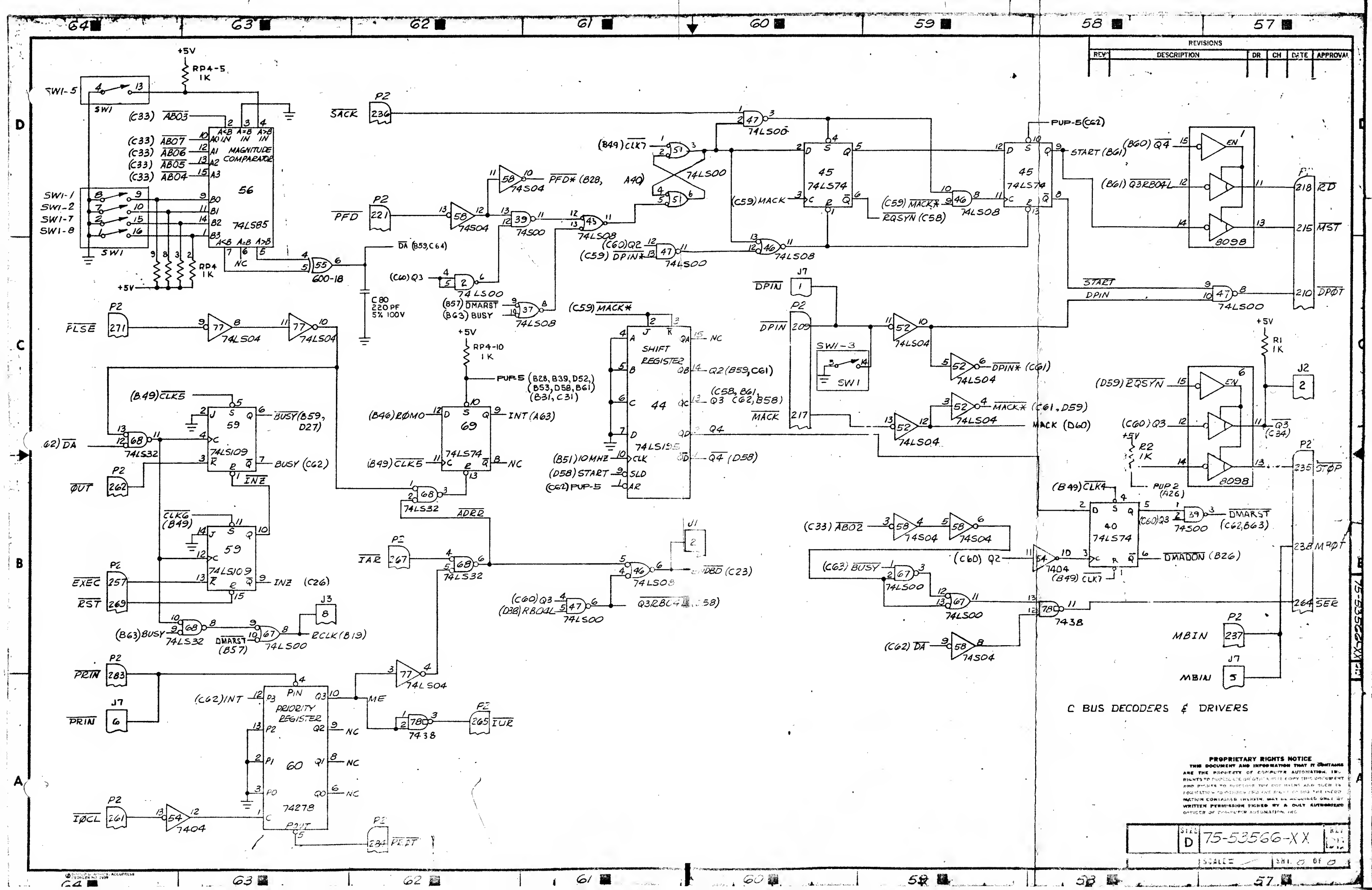
REVISIONS				
REV	DESCRIPTION	DR	CH	DATE

(B27) RL00  
(B27) RL01  
(C27) RL02  
(C27) RL03  
(C27) RL04  
(C27) RL05  
(D27) RL06  
(D27) RL07  
(D27) RL08



SIZE	75-53566-XX	REV
D		
SCALE		SMT. 6 OF 8







NO. 196116H

TYPE  
AEN ☐  
STOP ORDER ☐  
DEVIATION ☐  
RELEASE ☐  
STANDARD ☒

CLASS  
A-MAND/FUNC ☐  
B-NON-MAND/FUNC ☒  
C-RECORD CHG ☐

AFFECTED ITEMS  
HARDWARE CHG. ☒ PRIM. SEC.  
SOFTWARE CHG. ☐  
PUBL. CHG. ☐  
CAPABLE CHG. ☐  
DOC. CHG. ☐  
CONFIGURATIONS ☐  
PROCEDURES ☐  
TOOLING ☐  
TEST EQUIP. ☐

EFFECTIVITY  
ACTIVITY ☐ U ☐ R ☐ S ☐ P  
NOTIFY VEND ☒  
IN STOCK ☒  
KITTING ☒  
ASSEMBLY ☒  
TOUCH UP ☒  
IPT ☒  
FIN GOODS ☒  
CUST. RET. ☒

REWK TEST REQ'D  
CONTINUITY ☐  
CABLE SCAN ☐  
CAPABLE ☐  
MEMORY ☐  
CARD ☐  
FINAL ☐  
NO TEST REQ'D ☒

APPROVALS  
ENGR. [Signature]  
SOFTWARE [Signature]  
Q.A. [Signature]  
CAP. TEST [Signature]  
MAST SCHED [Signature]  
MATERIALS [Signature]  
TEST ENGR. [Signature]  
TECH SERV [Signature]  
CUST SERV [Signature]  
MFG. ENGR [Signature]  
PUBLICATIONS [Signature]

DR. BY: K. FORD 15 DEC 81  
CHKD. BY: R. SASTON 12 JAN 82  
REL. BY: R. SASTON  
DATE: 13 JAN 82

97 N SHEET 1 OF 2

DOCUMENT NO.	REV.		TITLE	INCORP. DATE
	IS	WAS		
75-53566-XX	020	019	LOGIC CONTROLLER FRY DISK	
74-53566-00	020	019	DETAIL	
73-53566-XX	020	019	ASSY	
70-53566-01	020	019	B/M	18 FEB 82

EFFECTIVITY NOTES:

REASON FOR CHANGE: 01-49600-XX SERIES IS NO LONGER IN USE. ALL DASH NUMBERS HAVE BEEN REPLACED.

REA NO. 7022, 7026

CO-ORD WITH:  
REA: 7023, 7027,  
7029, 7025

DESCRIPTION OF CHANGE:  
A. 70-53566-01, B/M  
1. CHANGE ITEM 37  
IS: P/N: 01-49419-03, QTY: 2  
DESC: IC 74LS86, REF  
DESIG: 55, 63  
WAS: P/N: 01-49600-18, QTY: 2  
DESC: IC 74LS153, REF  
DESIG: 55, 63  
2. CHANGE ITEM 28  
IS: P/N: 01-49420-12, QTY: 1, DESC:  
IC 74LS153, REF. DESIG: 42  
WAS: P/N: 01-49600-14, QTY: 1, DESC:  
IC SPECIAL, REF. DESIG: 42

A. 70-53566-01, B/M  
3. CHANGE ITEM 16  
IS: P/N: 01-49420-03, QTY: 2, DESC: IC 74LS175, REF. DESIG: 58, 13  
WAS: P/N: 01-49600-17, QTY: 2, DESC: IC SPECIAL, REF. DESIG: 58, 13  
4. CHANGE ITEM 27  
IS: P/N: 01-49420-14, QTY: 2, DESC: IC 74LS151, REF. DESIG: 41, 66  
WAS: P/N: 01-49600-13, QTY: 2, DESC: IC SPECIAL, REF. DESIG: 41, 66  
5. CHANGE ITEM 21  
IS: P/N: 01-49020-05, QTY: 4, DESC: IC 745281, REF. DESIG: 24, 25, 26, 27  
WAS: P/N: 01-49600-03, QTY: 4, DESC: IC SPECIAL, REF. DESIG: 24, 25, 26, 27  
6. CHANGE ITEM 18  
IS: P/N: 01-49420-01, QTY: 5, DESC: IC 74LS174, REF. DESIG: 11, 14, 15, 16, 75  
WAS: P/N: 01-49600-15, QTY: 5, DESC: IC SPECIAL, REF. DESIG: 11, 14, 15, 16, 75

B. 75-53566-XX, ASSY; 75-53566-XX, LOGIC  
1. CHANGE IC DESIGNATIONS PER B/M CHANGES LISTED ABOVE

C. UPGRADE REVISION LEVEL ONLY:  
74-53566-00, DETAIL

